

SET OUTLET LEVEL

TO PROMOTE SHEET

ALONG CONTOUR

-BIT. CONC PAVING

- PAVEMENT SECTION (SEE DETAIL)

SELECT BACKFILL SUITABLE TO ACCOMODATE SURFACE LOADING

COMPACTED IN 12" MAX. LIFTS

- ASCE CLASS B GRAVEL BACKFILL

COMPACTED 95% IN 6" MAX. LIFTS

PASSING 1/2" AND RETAINED ON NO. 4

-COMPACTED CRUSHED STONE OR PEA GRAVEL

6" GRAVEL OR

~ CRUSHED STONE

AS ILLUSTRATED

UNDER PAVEMENT

IN LEDGE

3'-0" MIN.

1. EXISTING CONDITIONS INFORMATION HEREON PROVIDED BY THE MORIN-CAMERON GROUP, INC.

FROM A FIELD SURVEY CONDUCTED FROM AUGUST TO SEPTEMBER, 2014. PROPERTY LINES

WETLANDS DELINEATED BY DEROSA ENVIRONMENTAL CONSULTING, INC. IN SEPTEMBER, 2014.

PURPOSES AND SHALL NOT BE USED FOR PERMITTING, CONSTRUCTION OR ANY OTHER USE

3. THIS PLAN IS SPECIFICALLY PREPARED FOR USE BY THE CLIENT FOR ESTATE PLANNING

WITHOUT THE EXPRESS WRITTEN CONSENT OF THE MORIN-CAMERON GROUP, INC.

UTILITY TRENCH DETAIL

(NOT TO SCALE)

ON THE SITE PLAN

8' WIDE OUTFALL (MIN.)

PLAN VIEW

SECTION A-A

CROSS COUNTRY

IN EARTH

STONE ENERGY DISSIPATOR (INLET/OUTLET PROTECTION)

(NOT TO SCALE)

12" MIN. DEPTH

OF STONE RIP-

SPEC N12.02.3)

FILTER FABRIC -

4" LOAM AND SEED -

WATER OR FIRE SERVICE -

ALL PIPE SHALL BE SDR35

PVC (SEE PLAN FOR SIZES

SHOULD BE CONSIDERED APPROXIMATE.

(1" TO 8", SIZE TO BE

VERIFIED BY MEP ENGINEER)

SHORING -

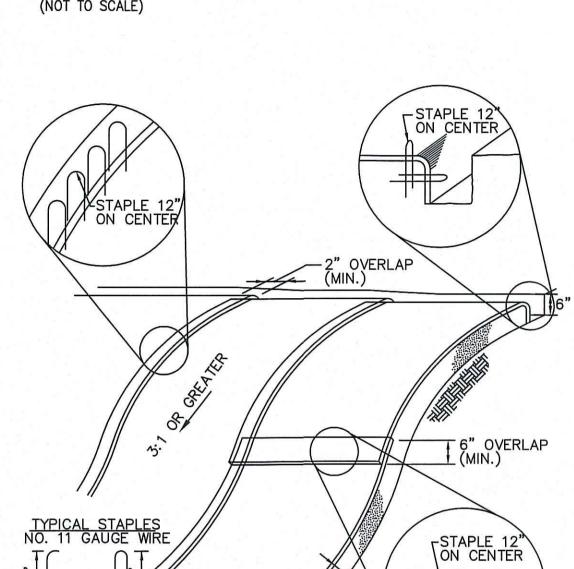
AS REQUIRED

AND TYPES)

RAP(MASS. DPW MAT.

- 2. ROLL THE BLANKET DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
- 3. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
- 4. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKET END OVER END WITH 6 INCH (MIN.) OVERLAP AND ANCHOR DOWN SLOPE BLANKET IN A 6

(NOT TO SCALE)



NOTES:

1. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.

BEND ANGLE **VARIES**

<u>PLAN</u>

ELEVATION

SHALL BE 3,000 P.S.I.

1. ALL WATER MAIN FITTINGS, BENDS, TEES, PLUGS ETC. SHALL BE

2. ALL THRUST BLOCKS & COLLARS SHALL BE INSTALLED SO THAT

3. MINIMUM COMPRESSIVE STRENGTH OF THRUST BLOCK CONCRETE

RESTRAINED W/ THRUST BLOCKS EXCEPT WHERE NOTED.

THEY BEAR AGAINST UNDISTURBED EARTH.

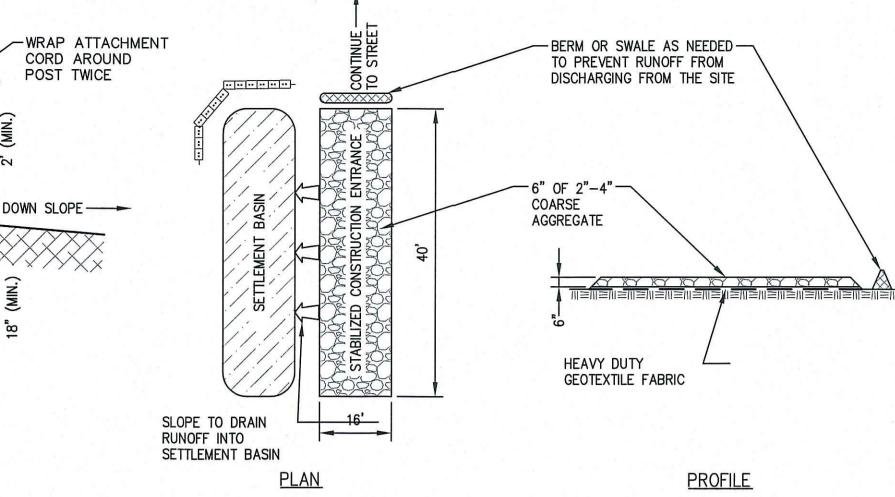
4. KEEP CONCRETE CLEAR OF MECHANICAL JOINTS.

THRUST BLOCK DETAIL

(NOT TO SCALE)

5. METHOD OF INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.

EROSION CONTROL BLANKET SLOPE STABILIZATION



CONSTRUCTION ENTRANCE SPECIFICATIONS:

2" SQ. WOOD —

POST 6' O.C.

ANGLE WOOD-POST SLIGHTLY

UP SLOPE

INSTALL SILT SOCK ON UPHILL SIDE-OF SILT FENCE (SEE DETAIL AT LEFT)

SEDIMENT DURING CONSTRUCTION.

SILT SACK NOTES:

EXPANSION -

RESTRAINT

CATCH-BASIN

1. SILT FENCE TO BE INSTALLED AROUND LIMIT OF

NEW CATCH BASINS AFTER INSTALLATION.

DEPTH OF SEDIMENT IS WITHIN 6" OF GRATE.

-CATCH BASIN GRATE

GRATES TO BE PLACED OVER SILT SACKS.

SILT FENCE

(NOT TO SCALE)

INSTALL SILT SACKS IN EXISTING CATCH BASINS. INSTALL SILT SACKS IN

SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM

SILT SACK SEDIMENT TRAP

TRENCH

<u>PLAN</u>

EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED WHEN

PLAN

CONC. THRUST BLOCK-

-FLAG ROCK

-CATCH BASIN GRATE

" REBAR FOR

-BACK FILL

ELEVATION

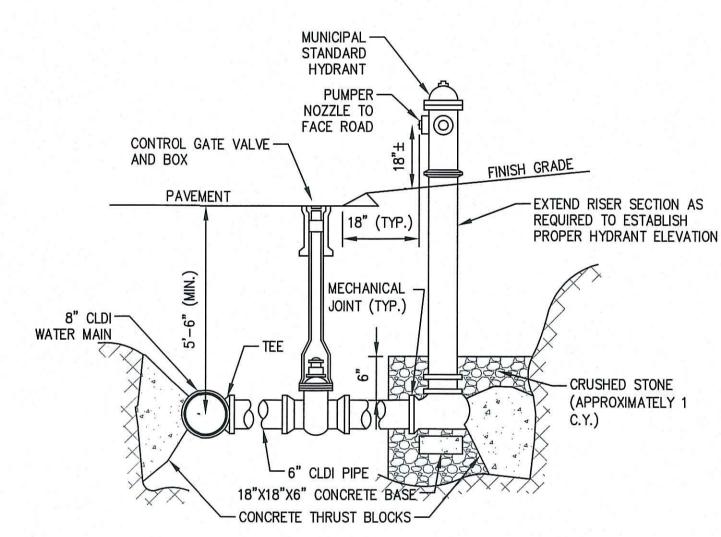
BAG REMOVAL

-SILT SACK

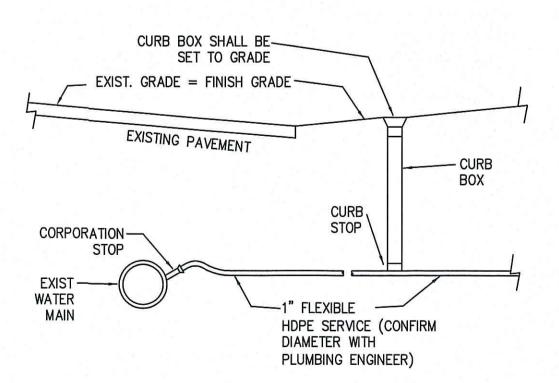
WORK TO PREVENT OFFSITE MIGRATION OF

- STONE FOR STABILIZATION CONSTRUCTION ENTRANCE SHALL BE 2-4" STONE, RECLAIMED STONE. 2. THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 40 FEET.
- 3. THE WIDTH OF THE ENTRANCE SHALL BE NO LESS THAN THE WIDTH OF THE INGRESS OR EGRESS DRIVE. OR 16 FEET, WHICHEVER IS GREATER.
- 4. GEOTEXTILE FILTER FABRIC SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. 5. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARDS THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH MINIMUM 1 TO 5 SLOPES
- THAT CAN BE CROSSED BY VEHICLES CAN BE SUBSTITUTED. 6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO RIGHTS OF WAY. THIS MAY REQUIRE PERIODIC TOPDRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. SEDIMENT SPILLED, WASHED OR TRACKED ONTO THE RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.

STABILIZED CONSTRUCTION ENTRANCE DETAIL (NOT TO SCALE)



HYDRANT DETAIL (NOT TO SCALE)



1. TAP EXISTING WATER MAIN WITH NEW CORPORATION STOP AND INSTALL NEW CURB STOP AND CURB BOX WITHIN GRASS SHOULDER IN R.O.W. 2. SAW CUT EXISTING PAVEMENT TO MINIMIZE REPAIRS. REPLACE ASPHALT

PAVEMENT TO MATCH EXISTING ELEVATIONS AND DEPTHS.

WATER SERVICE COORPORATION (NOT TO SCALE)

PLAN TO ACCOMPANY A NOTICE OF INTENT

57 PERKINS ROW

TOPSFIELD, MASSACHUSETTS

PREPARED FOR

NEW MEADOWS DEVELOPMENT, LLC

DATE: JUNE 25, 2015

REVISED: OCTOBER 6, 2015

SCALE: 1"=40'

ZONING DISTRICT: INNER RESIDENTIAL AND AGRICULTURAL (IRA)

Morin-Cameron GROUP, INC.

CIVIL ENGINEERS | ENVIRONMENTAL CONSULTANTS LAND SURVEYORS | LAND USE PLANNERS
447 BOSTON STREET - U.S. ROUTE 1, TOPSFIELD, MASSACHUSETTS 01983 P: 978-887-8586, F: 978-887-3480, W: WWW.MORINCAMERON.COM



CONSTRUCTION **DETAILS**

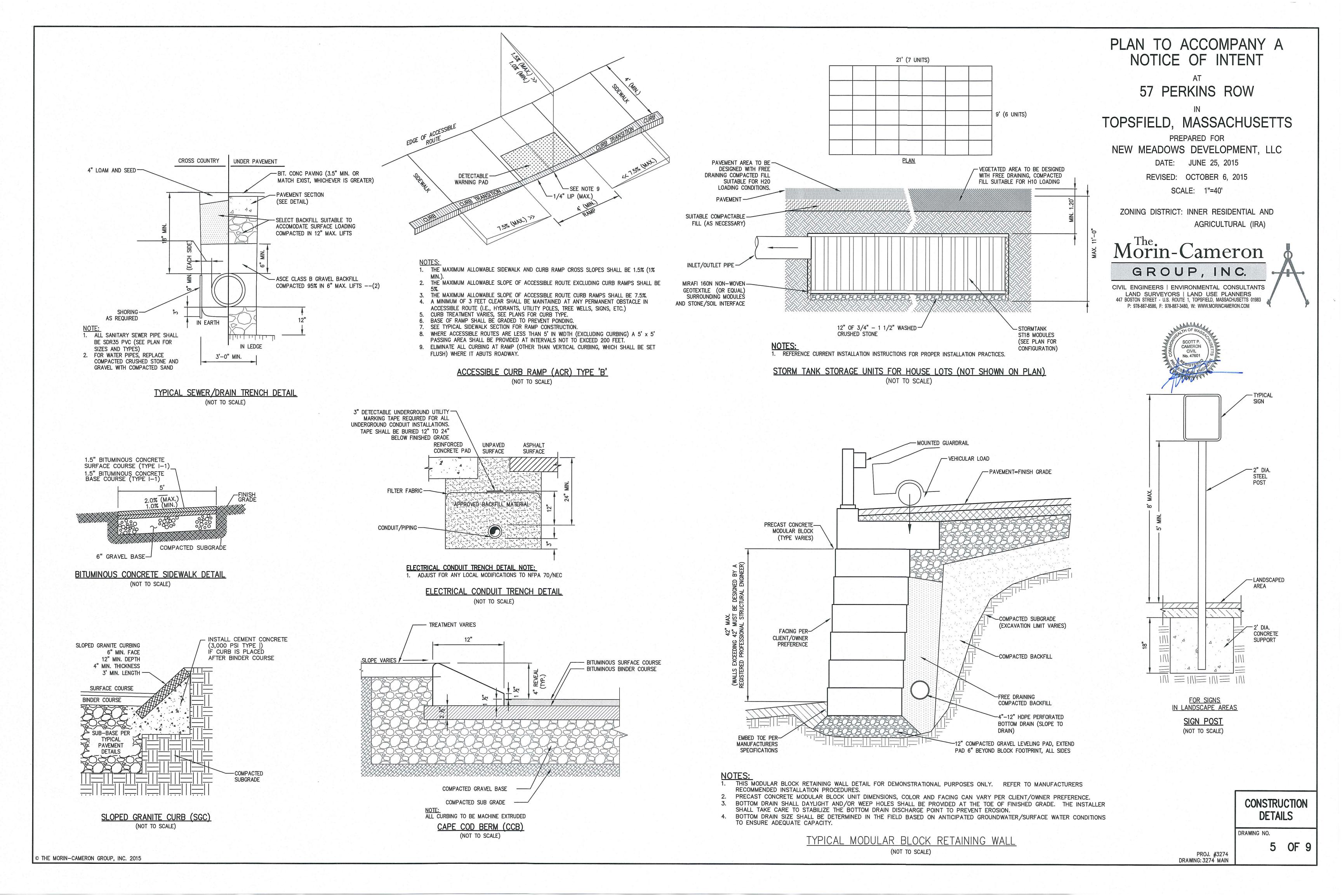
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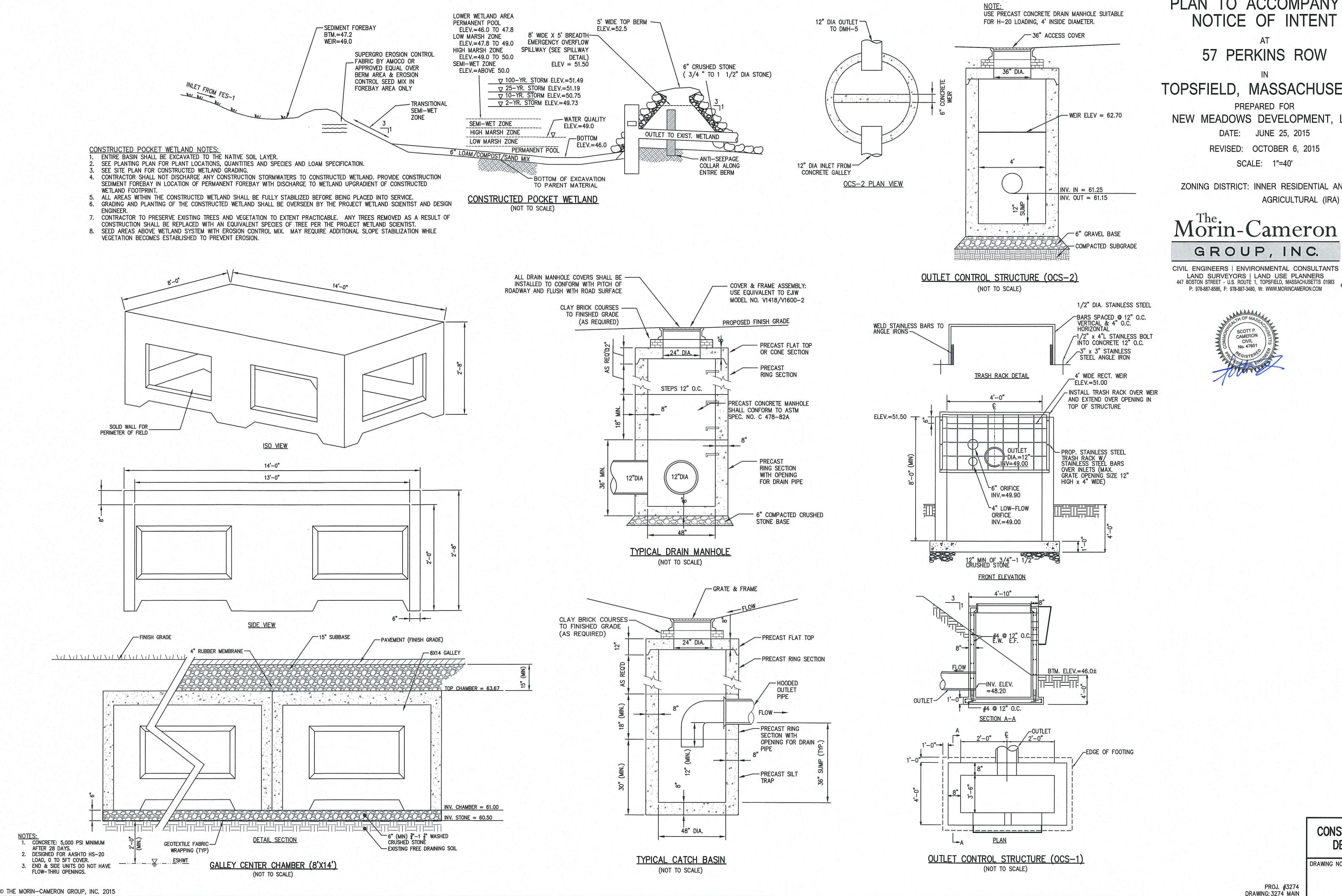
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PROJ. #3274

DRAWING: 3274 MAIN





PLAN TO ACCOMPANY A NOTICE OF INTENT

57 PERKINS ROW

TOPSFIELD, MASSACHUSETTS

NEW MEADOWS DEVELOPMENT, LLC

ZONING DISTRICT: INNER RESIDENTIAL AND

Morin-Cameron

LAND SURVEYORS | LAND USE PLANNERS
447 BOSTON STREET - U.S. ROUTE 1, TOPSFIELD, MASSACHUSETTS 01983

CONSTRUCTION **DETAILS**

DRAWING NO.

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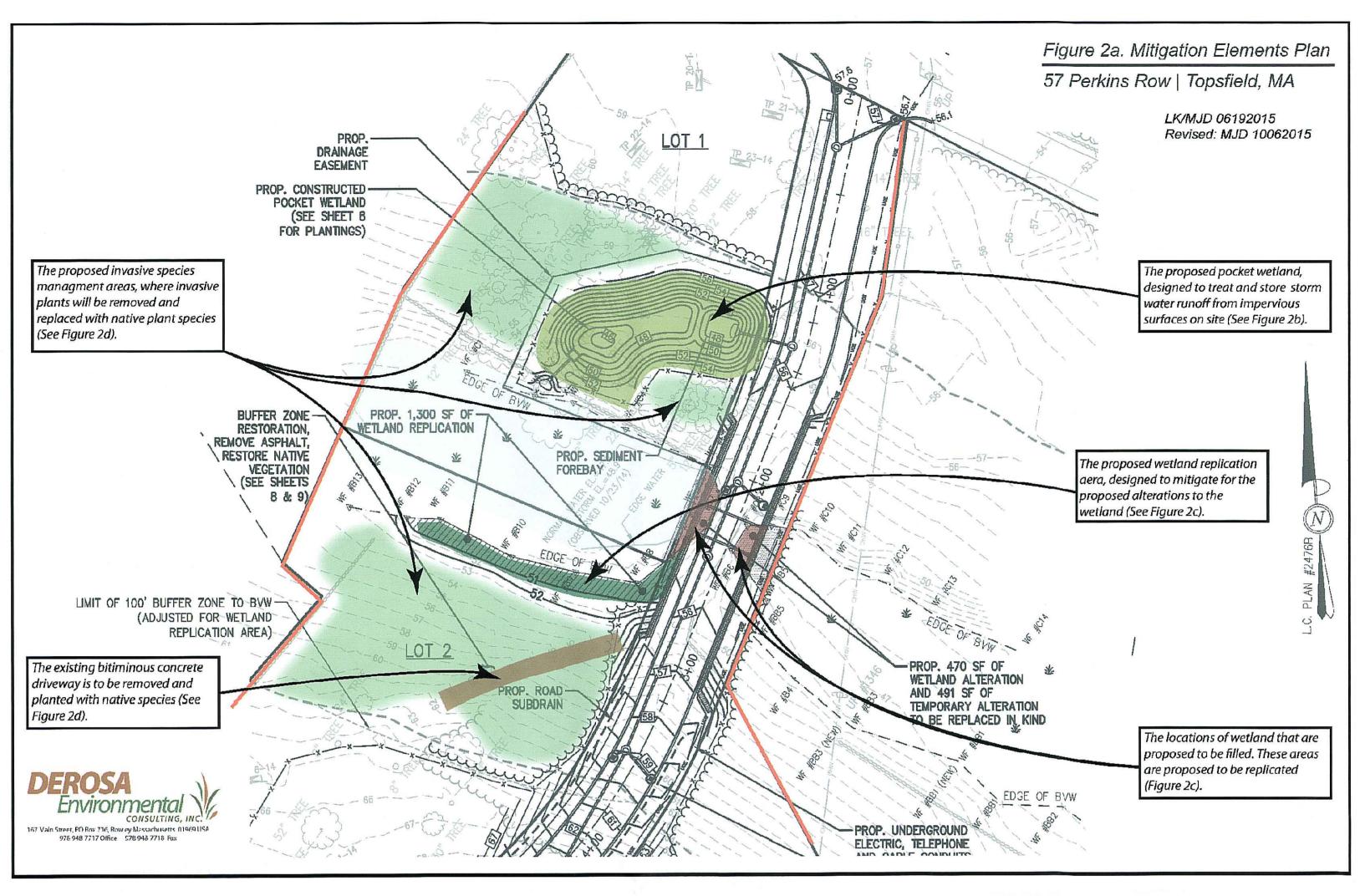
NOTICE OF INTENT SOIL LOGS 57 PERKINS ROW DATE PERFORMED: JULY 21ST - JULY 31ST, 2014 PERFORMED BY: SCOTT P. CAMERON, SE #3024 WITNESSED BY: JOHN COULON, TOPSFIELD BOH TOPSFIELD, MASSACHUSETTS PREPARED FOR NEW MEADOWS DEVELOPMENT, LLC TP 01-14 TP 02-14 TP 03-14 TP 04-14 TP 05-14 TP 06-14 DATE: JUNE 25, 2015 A: 10YR3/4, FSL A: 10YR3/4, FSL B: 10YR5/8, FSL A: 10YR4/4, FSL — A: 10YR3/4, FSL - A: 10YR3/4, FSL — A: 10YR3/4, FSL REVISED: OCTOBER 6, 2015 - B: 10YR5/4, FSL - B: 10YR5/4, FSL B: 10YR5/6, FSL - B: 10YR4/4, GrFSL - B: 10YR5/4, FSL SCALE: 1"=40' 28" P-1A 18" 29" —— PERCOLATION TEST 15" 18" PERCOLATION TEST P-5-14 PRESOAK: START: 12:43 END: 12:58 PERCOLATION TEST P-4-14 P - 3 - 14ZONING DISTRICT: INNER RESIDENTIAL AND 48" ESHGW 48" ESHGW PRESOAK: START: 1:32 END: 1:47 C: 2.5Y5/6, VGR/FSL PERCOLATION TEST PRESOAK: START: 2:07 END: 2:22 AGRICULTURAL (IRA) _ C: 2.5Y5/6, GrFSiH LOAM P-2-14 PERCOLATION TEST 60" ESHGW ESHGW = PRESOAK: START: 12:46 END: 1:01 — C: 10YR5/6, GrFSL P-1A-14 P-1B-14 C: 10YR5/4, EGrFSL ← C: 2.5Y5/3, EGrFSL PRESOAK: START: 9:45 END: 10:00 PRESOAK: START: 12:39 Morin-Cameron 74" ESHGW - C: 2.5Y5/6, GrFSL TEST: 12": 1:47 12": 2:22 12": 12:58 END: 12:54 9": 3:36 (ABANDONED TEST: 9": 1:08 9": 2:46 2.5") TEST: 12": 1:01 6": 3:35 6": 1:26 12": 12:54 12": 10:00 9": 1:12 RATE: 17 MPI RATE: DNP 9": 10:30 6": 11:25 9": 1:30 6": 1:29 GROUP, INC. RATE: 6 MPI 6": 2:25 RATE: 6 MPI CIVIL ENGINEERS | ENVIRONMENTAL CONSULTANTS RATE: 19 MPI RATE: 20 MPI LAND SURVEYORS | LAND USE PLANNERS 447 BOSTON STREET - U.S. ROUTE 1, TOPSFIELD, MASSACHUSETTS 01983 P: 978-887-8586, F: 978-887-3480, W: WWW.MORINCAMERON.COM TP 07-14 TP 08-14 TP 09-14 TP 10-14 TP 11-14 TP 12-14 CAMERON CIVIL No. 47601 A: 10YR3/2, FSL — A: 10YR3/2, FSL FILL (LOAM AND — F: LOAM — B: 2.5Y5/6, GrFSL IMPORT) B: 2.5Y5/6, FSL — B: 10YR4/6, FSL - B: 10YR5/4, FSL B: 10YR5/6, FSL - B: 10YR4/6 34" ESHGW 36" ESHGW PERCOLATION TEST P-7-14 PRESOAK: START: 3:16 END: 3:31 40" ESHGW PERCOLATION TEST P-8-14 PERCOLATION TEST P-11-14 PRESOAK: START: 12:52 END: 1:07 - C1: 2.5Y5/6, GrFSL — C: 10YR5/4, GrFSL C: 2.5Y5/6, GrLFS • C: 2.5Y5/4, VGrLS PRESOAK: START: 12:47 — C: 2.5Y5/6, GrFSL ESHGW END: 1:02 - C: 2.5Y5/4, GrFSL TEST: TEST: TEST: 12": 3:31 12": 1:02 84" ESHGW \ ✓ - C2: 2.5Y5/6, GrFSL 12": 1:07 9": 1:31 9": 1:17 9": 3:42 6": 4:06 6": 1:45 6": 2:17 RATE: 8 MPI RATE: 10 MPI RATE: 16 MPI TP 15-14 TP 13-14 TP 14-14 TP 16-14 TP 17-14 TP 18-14 — A: 10YR3/3, FSL F: FILL (LOAM AND A: 10YR3/3, FSL • A: 10YR3/2, FSL A: 10YR3/7, FSL — A: 10YR3/4, FSL BORROW) — B: 2.5Y5/6, FSL - B: 10YR6/6, FSL — B: 2.5Y6/4, FSL ○ B: 2.5Y5/4, FSL — B: 10YR5/6, FSL PERCOLATION TEST 44" P−13−14 ESHGW V ESHGW 44" ESHGW 44" ESHGW C: 2.5Y5/4, GrFSL 48" ESHGW PRESOAK: START: 1:10 END: 1:25 54" ESHGW PERCOLATION TEST ----- C: 2.5Y5/4, GrFSL P-15-14 PRESOAK: START: 2:55 END: 3:10 • C: 2.5Y6/3, GrFSL TEST: ○ C: 10YR5/4, EGrLS 80" \bigcirc C: 7.5YR5/8, EGrLS 12": 1:25 9": 1:46 TEST: 6": 2:28 12": 3:10 9": 3:15 110" RATE: 14 MPI 6": 3:21 RATE: 2 MPI TP 21-14 TP 22-14 TP 23-14 TP 19-14 TP 20-14 — A: 10YR4/4, FSL A: 10YR3/3, FSL A: 10YR3/3, FSL ✓ A: 10YR3/3, FSL — A: 10YR3/3, FSL - B: 10YR5/8, FSL - B: 10YR5/4, FSL — B: 2.5Y5/6, FSL - B: 10YR5/8, FSL — B: 10YR5/4, FSL 32" ESHGW 38" ESHGW 38" ESHGW 38" ESHGW PERCOLATION TEST P-19-14 PRESOAK: START: 1:54 END: 2:09 ESHGW TEST: PERCOLATION TEST P-20-14 PRESOAK: • C: 10YR5/4, EGrFSL START: 4:02 C: 7.5YR4/6, GrFSL - C: 10YR5/6, FSL c: 10YR6/6, EGrLS END: 4:22 ← C: 10YR5/6, VGrFSL TEST: 12": 2:09 12": 4:22 9": 4:33 9": 2:18 6": 2:33 6": 4:51 SOIL TEST RATE: 6 MPI RATE: 5 MPI LOGS DRAWING NO. 7 OF 9

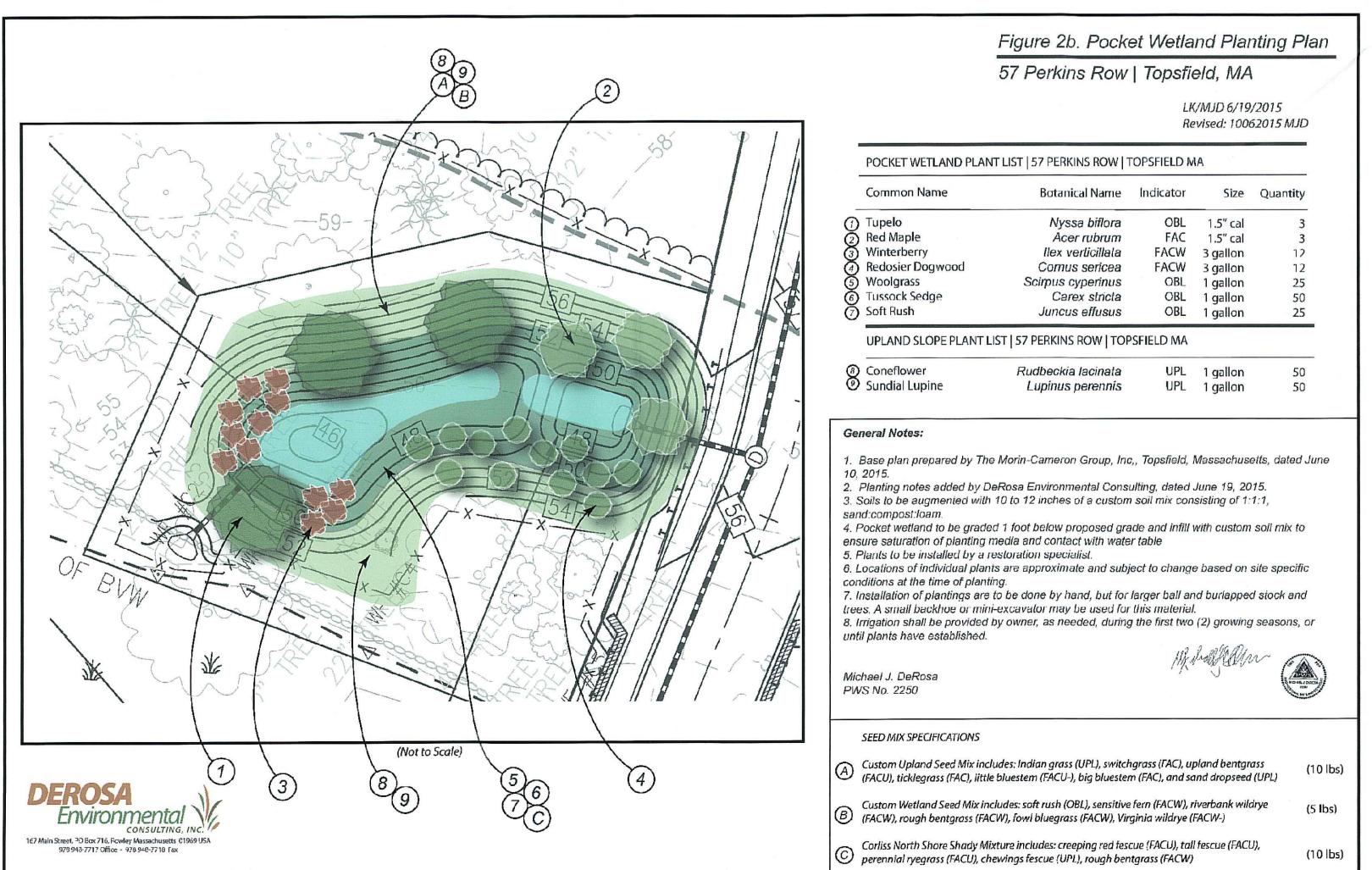
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PLAN TO ACCOMPANY A

PROJ. #3274

DRAWING: 3274" MAIN





PLAN TO ACCOMPANY A NOTICE OF INTENT

57 PERKINS ROW

TOPSFIELD, MASSACHUSETTS

PREPARED FOR

NEW MEADOWS DEVELOPMENT, LLC

DATE: JUNE 25, 2015

REVISED: OCTOBER 6, 2015

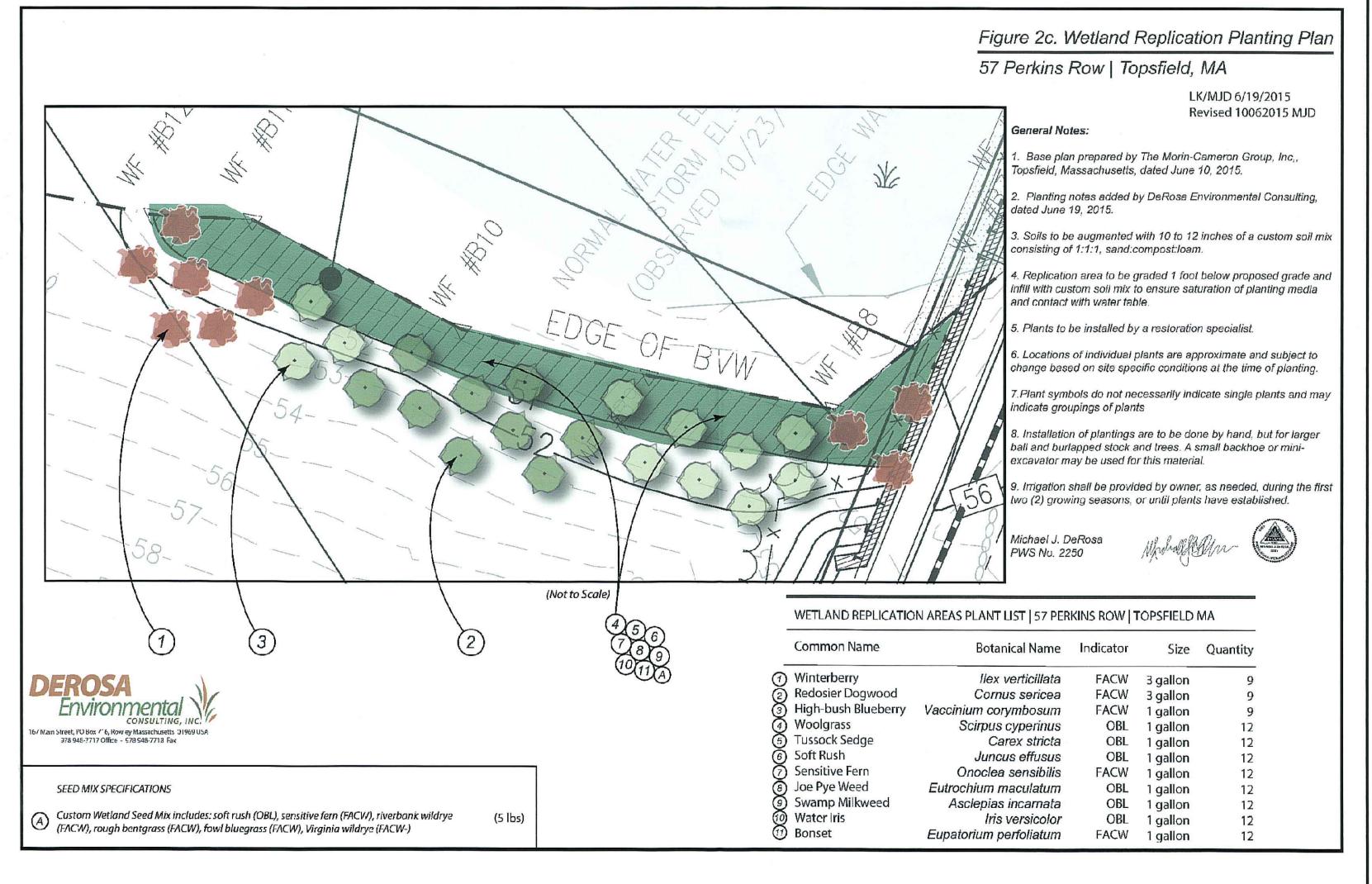
SCALE: 1"=40'

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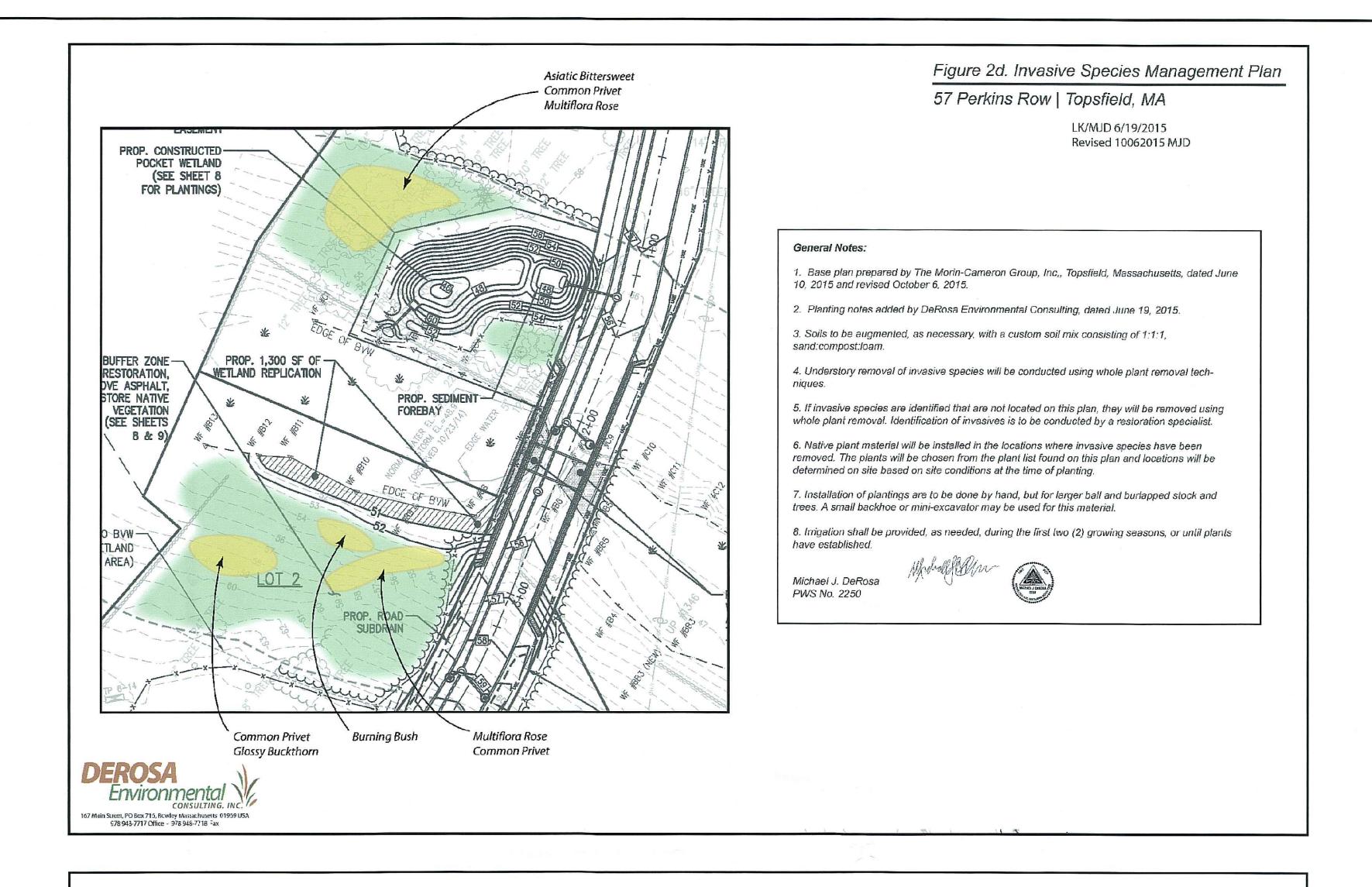


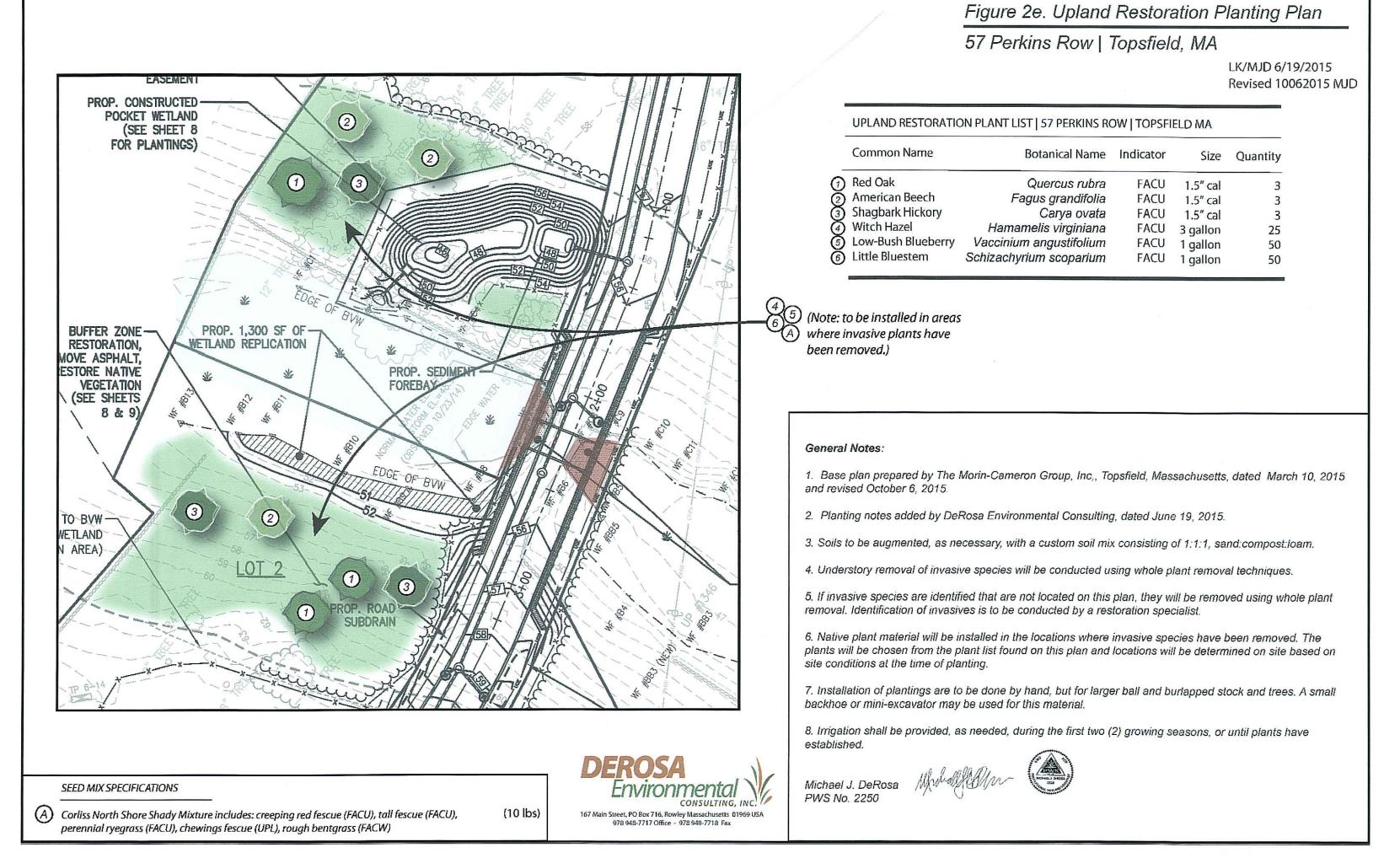
MITIGATION & PLANTING PLANS

DRAWING NO.

PROJ. #3274 DRAWING: 3274 MAIN 8 OF 9

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> MITIGATION & PLANTING PLANS

> > OF 9

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PROJ. #3274 DRAWING: 3274 MAIN